

## ABSTRACT OF THE DISCLOSURE

An apparatus for processing image data to produce an image for covering an image area of a display includes a plurality of graphics processors, each graphics processor being operable to render the image data into frame image data and to store the frame image data in a respective local frame buffer; a control processor operable to provide instructions to the plurality of graphics processors; and at least one merge unit operable to synchronously receive the frame image data from the respective local frame buffers and to synchronously produce combined frame image data based thereon

298638\_1.DOC